

Request — Jan Delorsal

ACCESS DB # 102286
PLEASE PRINT CLEARLY

FOR OFFICIAL USE ONLY

Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: Sabika Qaz Examiner #: 74141 Date: 8/14/05
Art Unit: 1616 Phone Number: 2-0622 Serial Number: 16/658,326
Location (Bldg/Room#): 4A45 (Mailbox #): 4C70 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: New V.D. derivatives
Inventors (please provide full names): Kirsch et al

Earliest Priority Date: 4/30/1996 Div. of US Pat 6,642,218

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Ch 11-34

Please search for Vitamin D compounds (Ch 1)
Subs. at C-25 by a carbocyclic or heterocyclic
groups. Their process of making and uses.

Please see attached sheets

Thank you

STAFF USE ONLY

Searcher: Jan

Searcher Phone #: 22604

Searcher Location: _____

Date Searcher Picked Up: 8/17/05

Date Completed: 8/18/05

Searcher Prep & Review Time: 16

Online Time: 6:00

Type of Search

____ NA Sequence (#)

____ AA Sequence (#)

✓ Structure (#)

____ Bibliographic

____ Litigation

____ Fulltext

____ Other

Vendors and cost where applicable

✓ STN ✓ Dialog

____ Questel/Orbit ✓ Lexis/Nexis

____ Westlaw ✓ WWW/Internet

____ In-house sequence systems

____ Commercial ✓ Oligomer ✓ Score/Length

____ Interference ✓ SPDI ✓ Encode/Transl

____ Other (specify) _____

=> fil reg

FILE 'REGISTRY' ENTERED AT 07:39:24 ON 17 AUG 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: . 16 AUG 2005 HIGHEST RN 860495-66-5

DICTIONARY FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

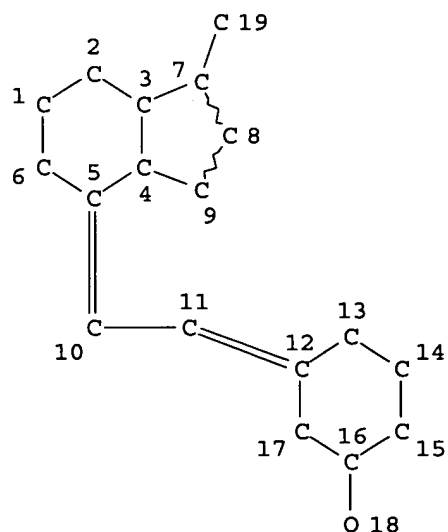
Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d sta que 126

L16 STR



NODE ATTRIBUTES:

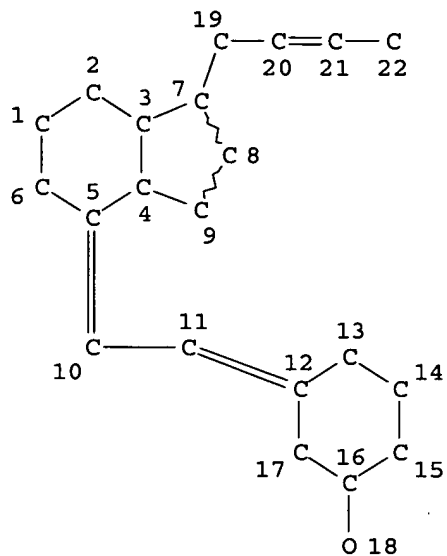
NSPEC IS RC AT 19
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 12 5
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L17 8760 SEA FILE=REGISTRY SSS FUL L16
L18 STR



NODE ATTRIBUTES:

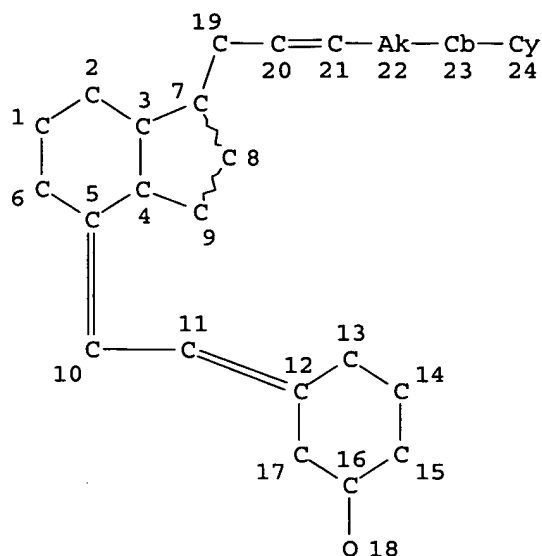
NSPEC IS RC AT 19
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 12 5
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

L20 2256 SEA FILE=REGISTRY SUB=L17 SSS FUL L18
L24 STR



NODE ATTRIBUTES:

NSPEC IS RC AT 19
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 7 12
 NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

L26 370 SEA FILE=REGISTRY SUB=L20 SSS FUL L24

100.0% PROCESSED 2256 ITERATIONS

370 ANSWERS

SEARCH TIME: 00.00.01

=> d his

(FILE 'HOME' ENTERED AT 06:22:53 ON 17 AUG 2005)
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 06:23:03 ON 17 AUG 2005

L1 1 S (US20050080058 OR US6600058 OR US6613920 OR US6642218 OR US20
 E STEINMEYER A/AU
 L2 50 S E3,E4
 E KIRSCH G/AU
 L3 152 S E3-E5,E11
 E NEEF G/AU
 L4 186 S E3,E5-E7
 E SCHWARZ K/AU
 L5 443 S E3-E14,E42,E43
 E THIEROFF E/AU
 L6 27 S E4-E7
 E ECKERDT/AU
 E EKERDT/AU
 L7 6 S E9

L8 E WIESINGER H/AU
 64 S E3-E6,E10
 E HABEREY M/AU
 L9 54 S E3,E4
 E FAHNRICH M/AU
 L10 7 S E3,E4
 E FAHNRICH M/AU
 L11 7 S E3,E4
 L12 13977 S SCHERING?/PA,CS
 SEL RN L1

FILE 'REGISTRY' ENTERED AT 06:27:16 ON 17 AUG 2005

L13 436 S E1-E436
 ACT QAZI962/A

 L14 STR
 L15 8455 SEA FILE=REGISTRY SSS FUL L14

 L16 STR L14
 L17 8760 S L16 FUL
 SAV L17 QAZI658/A
 L18 STR L16
 L19 50 S L18 SAM SUB=L17
 L20 2256 S L18 FUL SUB=L17
 SAV L20 QAZI648A/A
 DEL QAZI648A/A
 SAV L20 QAZI658A/A
 L21 STR L18
 L22 8 S L21 SAM SUB=L20
 L23 370 S L21 FUL SUB=L20
 SAV L23 QAZI658B/A
 L24 STR L21
 L25 8 S L24 SAM SUB=L20
 L26 370 S L24 FUL SUB=L20
 SAV L26 QAZI658C/A
 L27 328 S L13 AND L20
 L28 10 S L27 NOT L26
 L29 2 S L28 AND C3/ES
 L30 372 S L23,L26,L29
 SAV L30 QAZI659D/A

FILE 'HCAOLD' ENTERED AT 07:24:16 ON 17 AUG 2005

L31 0 S L30

FILE 'HCAPLUS' ENTERED AT 07:24:20 ON 17 AUG 2005

L32 9 S L30
 L33 7 S L32 AND L1-L12
 L34 3 S L32 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
 L35 3 S L33 AND L34

FILE 'USPATFULL' ENTERED AT 07:25:47 ON 17 AUG 2005

L36 8 S L30
 L37 5 S L36 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
 L38 5 S L36 AND SCHERING?/PA
 L39 7 S L36 AND (STEINMEYER ? OR KIRSCH ? OR NEEF ? OR SCHWARZ ? OR T
 L40 5 S L37 AND L38,L39

FILE 'REGISTRY' ENTERED AT 07:33:06 ON 17 AUG 2005

FILE 'HCAPLUS' ENTERED AT 07:33:23 ON 17 AUG 2005

FILE 'USPATFULL' ENTERED AT 07:33:54 ON 17 AUG 2005

FILE 'REGISTRY' ENTERED AT 07:34:13 ON 17 AUG 2005

L41 370 S L30 AND NR>=5
L42 2 S L30 NOT L41

FILE 'HCAPLUS' ENTERED AT 07:36:14 ON 17 AUG 2005

L43 7 S L41
L44 5 S L1-L12 AND L43
L45 1 S L43 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L46 1 S L44 AND L45
L47 6 S L43 NOT L46

FILE 'USPATFULL' ENTERED AT 07:37:55 ON 17 AUG 2005

L48 7 S L41
L49 4 S L48 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L50 3 S L49 AND SCHERING?/PA
L51 4 S L49 AND (STEINMEYER ? OR KIRSCH ? OR NEEF ? OR SCHWARZ ? OR T
L52 4 S L49-L51

FILE 'REGISTRY' ENTERED AT 07:39:24 ON 17 AUG 2005

=> fil uspatful

FILE 'USPATFULL' ENTERED AT 07:39:42 ON 17 AUG 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 16 Aug 2005 (20050816/PD)

FILE LAST UPDATED: 17 Aug 2005 (20050817/ED)

HIGHEST GRANTED PATENT NUMBER: US6931661

HIGHEST APPLICATION PUBLICATION NUMBER: US2005177917

CA INDEXING IS CURRENT THROUGH 17 Aug 2005 (20050817/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 16 Aug 2005 (20050816/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2005

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d l52 bib abs hitrn fhitrstr tot

L52 ANSWER 1 OF 4 USPATFULL on STN
 AN 2005:93380 USPATFULL
 TI New vitamin D derivatives with carbo-or heterocyclic substituents at C-25, a process for their production, intermediate products and their use for producing medicaments
 IN Steinmeyer, Andreas, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Kirsch, Gerald, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Neef, Gunter, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Schwarz, Katica, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Thieroff-Ekerdt, Ruth, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Wiesinger, Herbert, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Haberey, Martin, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Fahnrich, Marianne, Berlin, GERMANY, FEDERAL REPUBLIC OF
 PA Schering Aktiengesellschaft Patents, Berlin, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
 PI US 2005080058 A1 20050414
 AI US 2003-658326 A1 20030910 (10)
 RLI Division of Ser. No. US 1998-180018, filed on 11 Dec 1998, GRANTED, Pat. No. US 6642218
 PRAI DE 1996-19619036 19960430 <--
 DT Utility
 FS APPLICATION
 LREP MILLEN, WHITE, ZELANO & BRANIGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201, US
 CLMN Number of Claims: 25
 ECL Exemplary Claim: 1-10
 DRWN No Drawings
 LN.CNT 3068

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of Formula I, ##STR1## wherein Y.sub.1, Y.sub.2, R.sub.1-R.sub.6, Q and Z are as defined herein, are vitamin D derivatives. These compounds are useful for, e.g., the treatment hyperproliferative diseases of the skin, tumor diseases and precancerous stages, auto-immune diseases, rejection reactions in the case of autologous, allogenic or xenogenic transplants, AIDS, atopic skin conditions, secondary hyperparathyroidism, renal osteodystrophia, senile and postmenopausal osteoporosis, diabetes mellitus type II, degenerative diseases of the peripheral and central nervous system, hypercalcemias, granulomatous diseases, paraneoplastic hypercalcemias, hypercalcemias in hyperparathyroidism, hirsutism, atherosclerosis, and/or inflammatory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 198758-90-6P 198758-92-8P 198758-94-0P
 198758-96-2P 198759-04-5P 198759-06-7P
 198759-07-8P 198759-08-9P 198759-14-7P
 198759-29-4P 198759-34-1P 198759-39-6P
 198759-48-7P 198759-49-8P 198759-50-1P
 198759-53-4P 198759-57-8P 198759-58-9P
 198759-60-3P 198759-61-4P 198759-70-5P
 198759-71-6P 198759-81-8P 198759-83-0P
 198759-85-2P 198759-87-4P 198759-89-6P
 198759-91-0P 198759-96-5P 198759-97-6P
 198759-98-7P 198759-99-8P 198760-01-9P
 198760-02-0P 198760-03-1P 198760-04-2P
 198760-06-4P 198760-10-0P 198760-14-4P
 198760-18-8P 198760-20-2P 198760-21-3P
 198760-22-4P 198760-23-5P 198760-24-6P
 198760-26-8P 198760-27-9P 198760-28-0P

198760-29-1P 198760-30-4P 198760-31-5P
198760-32-6P 198760-33-7P 198760-35-9P
198760-36-0P 198760-37-1P 198760-38-2P
198760-39-3P 198760-40-6P 198760-41-7P
198760-42-8P 198760-43-9P 198760-44-0P
198760-45-1P 198760-47-3P 198760-48-4P
198760-49-5P 198760-50-8P 198760-51-9P
198760-52-0P 198760-53-1P 198760-54-2P
198760-55-3P 198760-56-4P 198760-57-5P
198760-59-7P 198760-61-1P 198760-64-4P
198760-66-6P 198760-67-7P 198760-68-8P
198760-69-9P 198760-70-2P 198760-71-3P
198760-72-4P 198760-73-5P 198760-74-6P
198760-76-8P 198760-78-0P 198760-80-4P
198760-81-5P 198760-83-7P 198760-85-9P
198760-86-0P 198760-88-2P 198760-90-6P
198760-92-8P 198760-94-0P 198760-96-2P
198760-98-4P 198760-99-5P 198761-00-1P
198761-01-2P 198761-02-3P 198761-03-4P
198761-04-5P 198761-05-6P 198761-06-7P
198761-07-8P 198761-08-9P 198761-09-0P
198761-10-3P 198761-11-4P 198761-12-5P
198761-13-6P 198761-14-7P 198761-15-8P
198761-16-9P 198761-17-0P 198761-18-1P
198761-19-2P 198761-20-5P 198761-21-6P
198761-22-7P 198761-23-8P 198761-24-9P
198761-25-0P 198761-26-1P 198761-27-2P
198761-28-3P 198761-29-4P 198761-30-7P
198761-31-8P 198761-32-9P 198761-33-0P
198761-34-1P 198761-35-2P 198761-36-3P
198761-37-4P 198761-39-6P 198761-41-0P
198761-43-2P 198761-45-4P 198761-46-5P
198761-47-6P 198761-48-7P 198761-50-1P
198761-52-3P 198761-54-5P 198761-55-6P
198761-56-7P 198761-57-8P 198761-58-9P
198761-59-0P 198761-60-3P 198761-61-4P
198761-62-5P 198761-63-6P 198761-64-7P
198761-65-8P 198761-66-9P 198761-67-0P
198761-68-1P 198761-69-2P 198761-70-5P
198761-71-6P 198761-72-7P 198761-73-8P
198761-74-9P 198761-75-0P 198761-76-1P
198761-77-2P 198761-78-3P 198761-79-4P
198761-80-7P 198761-81-8P 198761-82-9P
198761-83-0P 198761-84-1P 198761-85-2P
198761-86-3P 198761-87-4P 198761-88-5P
198761-89-6P 198761-90-9P 198761-91-0P
198761-92-1P 198761-93-2P 198761-94-3P
198761-95-4P 198761-96-5P 198761-97-6P
198761-98-7P 198761-99-8P 198762-00-4P
198762-01-5P 198762-02-6P 198762-03-7P
198762-04-8P 198762-05-9P 198762-06-0P
198762-07-1P 198762-08-2P 198762-09-3P
198762-10-6P 198762-11-7P 198762-12-8P
198762-13-9P 198762-14-0P 198762-15-1P
198762-16-2P 198762-18-4P 198762-20-8P
198762-22-0P 198762-24-2P 198762-26-4P
198762-27-5P 198762-29-7P 198762-34-4P
198762-36-6P 198762-39-9P 198762-40-2P
198762-42-4P 198762-44-6P 198762-46-8P
198762-48-0P 198762-50-4P 198762-52-6P

198762-53-7P 198762-55-9P 198762-57-1P
198762-59-3P

(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT 198762-61-7P 198762-62-8P 198762-64-0P
198762-66-2P 198762-67-3P 198762-69-5P
198762-71-9P 198762-73-1P 198762-75-3P
198762-76-4P 198762-78-6P 198762-79-7P
198762-80-0P 198762-82-2P 198762-84-4P
198762-86-6P 198762-88-8P 198762-90-2P
198762-93-5P 198762-96-8P 198762-99-1P
198763-03-0P 198763-06-3P 198763-09-6P
198763-10-9P 198763-12-1P 198763-14-3P
198763-16-5P 198763-18-7P 198763-20-1P
198763-22-3P 198763-23-4P 198763-24-5P
198763-25-6P 198763-27-8P 198763-29-0P
198763-31-4P 198763-32-5P 198763-33-6P
198763-35-8P 198763-37-0P 198763-39-2P
198763-41-6P 198763-42-7P 198763-43-8P
198763-44-9P 198763-46-1P 198763-48-3P
198763-50-7P 198763-52-9P 198763-54-1P
198763-56-3P 198763-58-5P 198763-60-9P
198768-25-1P 198768-26-2P

(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT 198758-88-2P 198759-02-3P 198759-12-5P
198759-13-6P 198759-27-2P 198759-28-3P
198759-32-9P 198759-33-0P 198759-37-4P
198759-38-5P 198759-47-6P 198759-56-7P
198759-69-2P 198759-80-7P 198759-82-9P
198759-84-1P 198759-86-3P 198759-95-4P
198760-00-8P 198760-05-3P 198760-08-6P
198760-12-2P 198760-16-6P 198760-25-7P
198760-34-8P 198760-46-2P 198760-58-6P
198760-60-0P 198760-63-3P 198760-65-5P

(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT 198758-90-6P

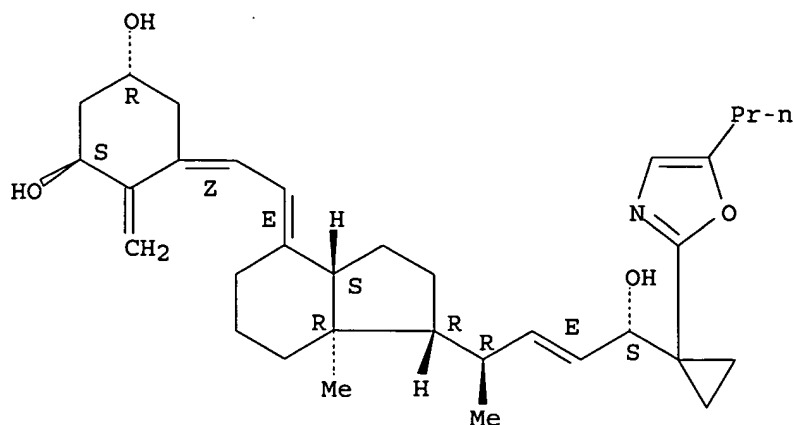
(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

RN 198758-90-6 USPATFULL

CN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



L52 ANSWER 2 OF 4 USPATFULL on STN
 AN 2003:234856 USPATFULL
 TI Vitamin D derivatives with carbo- or heterocyclic substituents at C-25,
 process for their production, intermediate products and use for the
 production of pharmaceutical agents
 IN **Steinmeyer, Andreas**, Berlin, GERMANY, FEDERAL REPUBLIC OF
Kirsch, Gerald, Berlin, GERMANY, FEDERAL REPUBLIC OF
Neef, Gunter, Berlin, GERMANY, FEDERAL REPUBLIC OF
Schwarz, Katica, Berlin, GERMANY, FEDERAL REPUBLIC OF
Thieroff-Ekerdt, Ruth, Berlin, GERMANY, FEDERAL REPUBLIC OF
Wiesinger, Herbert, Berlin, GERMANY, FEDERAL REPUBLIC OF
Haberey, Martin, Berlin, GERMANY, FEDERAL REPUBLIC OF
Fahnrich, Marianne, Berlin, GERMANY, FEDERAL REPUBLIC OF
 PA **Schering Aktiengesellschaft**, Berlin, GERMANY, FEDERAL REPUBLIC
 OF (non-U.S. corporation)
 PI US 6613920 B1 20030902
 AI US 2000-695091 20001025 (9)
 RLI Division of Ser. No. US 180018
 PRAI DE 1996-19619036 19960430 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Qazi, Sabiha
 LREP Millen, White, Zelano, Branigan, P.C.
 CLMN Number of Claims: 26
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3329
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to vitamin D derivatives of formula (I), processes
 for the production thereof and uses thereof: ##STR1##

 wherein Y.sub.1, Y.sub.2, R.sub.1--R.sub.6, Q and Z are as defined
 herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 198758-90-6P 198758-92-8P 198758-94-0P
 198758-96-2P 198759-04-5P 198759-06-7P
 198759-07-8P 198759-08-9P 198759-14-7P
 198759-29-4P 198759-34-1P 198759-39-6P
 198759-48-7P 198759-49-8P 198759-50-1P
 198759-53-4P 198759-57-8P 198759-58-9P

198759-60-3P 198759-61-4P 198759-70-5P
198759-71-6P 198759-81-8P 198759-83-0P
198759-85-2P 198759-87-4P 198759-89-6P
198759-91-0P 198759-96-5P 198759-97-6P
198759-98-7P 198759-99-8P 198760-01-9P
198760-02-0P 198760-03-1P 198760-04-2P
198760-06-4P 198760-10-0P 198760-14-4P
198760-18-8P 198760-20-2P 198760-21-3P
198760-22-4P 198760-23-5P 198760-24-6P
198760-26-8P 198760-27-9P 198760-28-0P
198760-29-1P 198760-30-4P 198760-31-5P
198760-32-6P 198760-33-7P 198760-35-9P
198760-36-0P 198760-37-1P 198760-38-2P
198760-39-3P 198760-40-6P 198760-41-7P
198760-42-8P 198760-43-9P 198760-44-0P
198760-45-1P 198760-47-3P 198760-48-4P
198760-49-5P 198760-50-8P 198760-51-9P
198760-52-0P 198760-53-1P 198760-54-2P
198760-55-3P 198760-56-4P 198760-57-5P
198760-59-7P 198760-61-1P 198760-64-4P
198760-66-6P 198760-67-7P 198760-68-8P
198760-69-9P 198760-70-2P 198760-71-3P
198760-72-4P 198760-73-5P 198760-74-6P
198760-76-8P 198760-78-0P 198760-80-4P
198760-81-5P 198760-83-7P 198760-85-9P
198760-86-0P 198760-88-2P 198760-90-6P
198760-92-8P 198760-94-0P 198760-96-2P
198760-98-4P 198760-99-5P 198761-00-1P
198761-01-2P 198761-02-3P 198761-03-4P
198761-04-5P 198761-05-6P 198761-06-7P
198761-07-8P 198761-08-9P 198761-09-0P
198761-10-3P 198761-11-4P 198761-12-5P
198761-13-6P 198761-14-7P 198761-15-8P
198761-16-9P 198761-17-0P 198761-18-1P
198761-19-2P 198761-20-5P 198761-21-6P
198761-22-7P 198761-23-8P 198761-24-9P
198761-25-0P 198761-26-1P 198761-27-2P
198761-28-3P 198761-29-4P 198761-30-7P
198761-31-8P 198761-32-9P 198761-33-0P
198761-34-1P 198761-35-2P 198761-36-3P
198761-37-4P 198761-39-6P 198761-41-0P
198761-43-2P 198761-45-4P 198761-46-5P
198761-47-6P 198761-48-7P 198761-50-1P
198761-52-3P 198761-54-5P 198761-55-6P
198761-56-7P 198761-57-8P 198761-58-9P
198761-59-0P 198761-60-3P 198761-61-4P
198761-62-5P 198761-63-6P 198761-64-7P
198761-65-8P 198761-66-9P 198761-67-0P
198761-68-1P 198761-69-2P 198761-70-5P
198761-71-6P 198761-72-7P 198761-73-8P
198761-74-9P 198761-75-0P 198761-76-1P
198761-77-2P 198761-78-3P 198761-79-4P
198761-80-7P 198761-81-8P 198761-82-9P
198761-83-0P 198761-84-1P 198761-85-2P
198761-86-3P 198761-87-4P 198761-88-5P
198761-89-6P 198761-90-9P 198761-91-0P
198761-92-1P 198761-93-2P 198761-94-3P
198761-95-4P 198761-96-5P 198761-97-6P
198761-98-7P 198761-99-8P 198762-00-4P
198762-01-5P 198762-02-6P 198762-03-7P

198762-04-8P 198762-05-9P 198762-06-0P
 198762-07-1P 198762-08-2P 198762-09-3P
 198762-10-6P 198762-11-7P 198762-12-8P
 198762-13-9P 198762-14-0P 198762-15-1P
 198762-16-2P 198762-18-4P 198762-20-8P
 198762-22-0P 198762-24-2P 198762-26-4P
 198762-27-5P 198762-29-7P 198762-34-4P
 198762-36-6P 198762-39-9P 198762-40-2P
 198762-42-4P 198762-44-6P 198762-46-8P
 198762-48-0P 198762-50-4P 198762-52-6P
 198762-53-7P 198762-55-9P 198762-57-1P
 198762-59-3P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198762-61-7P 198762-62-8P 198762-64-0P
 198762-66-2P 198762-67-3P 198762-69-5P
 198762-71-9P 198762-73-1P 198762-75-3P
 198762-76-4P 198762-78-6P 198762-79-7P
 198762-80-0P 198762-82-2P 198762-84-4P
 198762-86-6P 198762-88-8P 198762-90-2P
 198762-93-5P 198762-96-8P 198762-99-1P
 198763-03-0P 198763-06-3P 198763-09-6P
 198763-10-9P 198763-12-1P 198763-14-3P
 198763-16-5P 198763-18-7P 198763-20-1P
 198763-22-3P 198763-23-4P 198763-24-5P
 198763-25-6P 198763-27-8P 198763-29-0P
 198763-31-4P 198763-32-5P 198763-33-6P
 198763-35-8P 198763-37-0P 198763-39-2P
 198763-41-6P 198763-42-7P 198763-43-8P
 198763-44-9P 198763-46-1P 198763-48-3P
 198763-50-7P 198763-52-9P 198763-54-1P
 198763-56-3P 198763-58-5P 198763-60-9P
 198768-25-1P 198768-26-2P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198758-88-2P 198759-02-3P 198759-12-5P
 198759-13-6P 198759-27-2P 198759-28-3P
 198759-32-9P 198759-33-0P 198759-37-4P
 198759-38-5P 198759-47-6P 198759-56-7P
 198759-69-2P 198759-80-7P 198759-82-9P
 198759-84-1P 198759-86-3P 198759-95-4P
 198760-00-8P 198760-05-3P 198760-08-6P
 198760-12-2P 198760-16-6P 198760-25-7P
 198760-34-8P 198760-46-2P 198760-58-6P
 198760-60-0P 198760-63-3P 198760-65-5P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

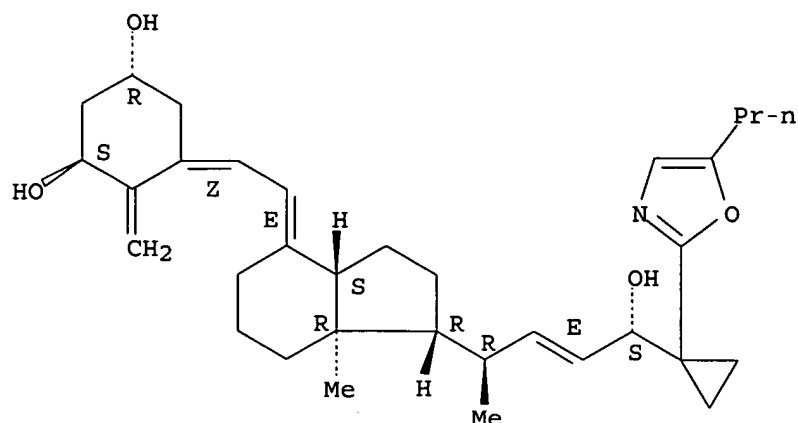
IT 198758-90-6P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

RN 198758-90-6 USPATFULL

CN 9,10-Secochole-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



L52 ANSWER 3 OF 4 USPATFULL on STN
 AN 2003:203387 USPATFULL
 TI Vitamin D derivatives with carbo- or heterocyclic substituents at C-25,
 a process for their production, intermediate products and their use for
 producing medicaments
 IN Steinmeyer, Andreas, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Kirsch, Gerald, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Neef, Gunter, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Schwarz, Katica, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Thieroff-Ekerdt, Ruth, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Wiesinger, Herbert, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Haberey, Martin, Berlin, GERMANY, FEDERAL REPUBLIC OF
 Fahnrich, Marianne, Berlin, GERMANY, FEDERAL REPUBLIC OF
 PA Schering Aktiengesellschaft, Berlin, GERMANY, FEDERAL REPUBLIC
 OF (non-U.S. corporation)
 PI US 6600058 B1 20030729
 AI US 2000-695137 20001025 (9)
 RLI Division of Ser. No. US 180018
 PRAI DE 1996-19619036 19960430 <--
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Qazi, Sabiha
 LREP Millen, White, Zelano & Branigan, P.C.
 CLMN Number of Claims: 27
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 3186
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention concerns new vitamin D derivatives of general formula (I)
 a process for their production, their use for production of medicaments,
 and intermediate products used in the process. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 198758-90-6P 198758-92-8P 198758-94-0P
 198758-96-2P 198759-04-5P 198759-06-7P
 198759-07-8P 198759-08-9P 198759-14-7P
 198759-29-4P 198759-34-1P 198759-39-6P
 198759-48-7P 198759-49-8P 198759-50-1P
 198759-53-4P 198759-57-8P 198759-58-9P
 198759-60-3P 198759-61-4P 198759-70-5P
 198759-71-6P 198759-81-8P 198759-83-0P

198759-85-2P 198759-87-4P 198759-89-6P
198759-91-0P 198759-96-5P 198759-97-6P
198759-98-7P 198759-99-8P 198760-01-9P
198760-02-0P 198760-03-1P 198760-04-2P
198760-06-4P 198760-10-0P 198760-14-4P
198760-18-8P 198760-20-2P 198760-21-3P
198760-22-4P 198760-23-5P 198760-24-6P
198760-26-8P 198760-27-9P 198760-28-0P
198760-29-1P 198760-30-4P 198760-31-5P
198760-32-6P 198760-33-7P 198760-35-9P
198760-36-0P 198760-37-1P 198760-38-2P
198760-39-3P 198760-40-6P 198760-41-7P
198760-42-8P 198760-43-9P 198760-44-0P
198760-45-1P 198760-47-3P 198760-48-4P
198760-49-5P 198760-50-8P 198760-51-9P
198760-52-0P 198760-53-1P 198760-54-2P
198760-55-3P 198760-56-4P 198760-57-5P
198760-59-7P 198760-61-1P 198760-64-4P
198760-66-6P 198760-67-7P 198760-68-8P
198760-69-9P 198760-70-2P 198760-71-3P
198760-72-4P 198760-73-5P 198760-74-6P
198760-76-8P 198760-78-0P 198760-80-4P
198760-81-5P 198760-83-7P 198760-85-9P
198760-86-0P 198760-88-2P 198760-90-6P
198760-92-8P 198760-94-0P 198760-96-2P
198760-98-4P 198760-99-5P 198761-00-1P
198761-01-2P 198761-02-3P 198761-03-4P
198761-04-5P 198761-05-6P 198761-06-7P
198761-07-8P 198761-08-9P 198761-09-0P
198761-10-3P 198761-11-4P 198761-12-5P
198761-13-6P 198761-14-7P 198761-15-8P
198761-16-9P 198761-17-0P 198761-18-1P
198761-19-2P 198761-20-5P 198761-21-6P
198761-22-7P 198761-23-8P 198761-24-9P
198761-25-0P 198761-26-1P 198761-27-2P
198761-28-3P 198761-29-4P 198761-30-7P
198761-31-8P 198761-32-9P 198761-33-0P
198761-34-1P 198761-35-2P 198761-36-3P
198761-37-4P 198761-39-6P 198761-41-0P
198761-43-2P 198761-45-4P 198761-46-5P
198761-47-6P 198761-48-7P 198761-50-1P
198761-52-3P 198761-54-5P 198761-55-6P
198761-56-7P 198761-57-8P 198761-58-9P
198761-59-0P 198761-60-3P 198761-61-4P
198761-62-5P 198761-63-6P 198761-64-7P
198761-65-8P 198761-66-9P 198761-67-0P
198761-68-1P 198761-69-2P 198761-70-5P
198761-71-6P 198761-72-7P 198761-73-8P
198761-74-9P 198761-75-0P 198761-76-1P
198761-77-2P 198761-78-3P 198761-79-4P
198761-80-7P 198761-81-8P 198761-82-9P
198761-83-0P 198761-84-1P 198761-85-2P
198761-86-3P 198761-87-4P 198761-88-5P
198761-89-6P 198761-90-9P 198761-91-0P
198761-92-1P 198761-93-2P 198761-94-3P
198761-95-4P 198761-96-5P 198761-97-6P
198761-98-7P 198761-99-8P 198762-00-4P
198762-01-5P 198762-02-6P 198762-03-7P
198762-04-8P 198762-05-9P 198762-06-0P
198762-07-1P 198762-08-2P 198762-09-3P

198762-10-6P 198762-11-7P 198762-12-8P
 198762-13-9P 198762-14-0P 198762-15-1P
 198762-16-2P 198762-18-4P 198762-20-8P
 198762-22-0P 198762-24-2P 198762-26-4P
 198762-27-5P 198762-29-7P 198762-34-4P
 198762-36-6P 198762-39-9P 198762-40-2P
 198762-42-4P 198762-44-6P 198762-46-8P
 198762-48-0P 198762-50-4P 198762-52-6P
 198762-53-7P 198762-55-9P 198762-57-1P
 198762-59-3P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198762-61-7P 198762-62-8P 198762-64-0P
 198762-66-2P 198762-67-3P 198762-69-5P
 198762-71-9P 198762-73-1P 198762-75-3P
 198762-76-4P 198762-78-6P 198762-79-7P
 198762-80-0P 198762-82-2P 198762-84-4P
 198762-86-6P 198762-88-8P 198762-90-2P
 198762-93-5P 198762-96-8P 198762-99-1P
 198763-03-0P 198763-06-3P 198763-09-6P
 198763-10-9P 198763-12-1P 198763-14-3P
 198763-16-5P 198763-18-7P 198763-20-1P
 198763-22-3P 198763-23-4P 198763-24-5P
 198763-25-6P 198763-27-8P 198763-29-0P
 198763-31-4P 198763-32-5P 198763-33-6P
 198763-35-8P 198763-37-0P 198763-39-2P
 198763-41-6P 198763-42-7P 198763-43-8P
 198763-44-9P 198763-46-1P 198763-48-3P
 198763-50-7P 198763-52-9P 198763-54-1P
 198763-56-3P 198763-58-5P 198763-60-9P
 198768-25-1P 198768-26-2P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198758-88-2P 198759-02-3P 198759-12-5P
 198759-13-6P 198759-27-2P 198759-28-3P
 198759-32-9P 198759-33-0P 198759-37-4P
 198759-38-5P 198759-47-6P 198759-56-7P
 198759-69-2P 198759-80-7P 198759-82-9P
 198759-84-1P 198759-86-3P 198759-95-4P
 198760-00-8P 198760-05-3P 198760-08-6P
 198760-12-2P 198760-16-6P 198760-25-7P
 198760-34-8P 198760-46-2P 198760-58-6P
 198760-60-0P 198760-63-3P 198760-65-5P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

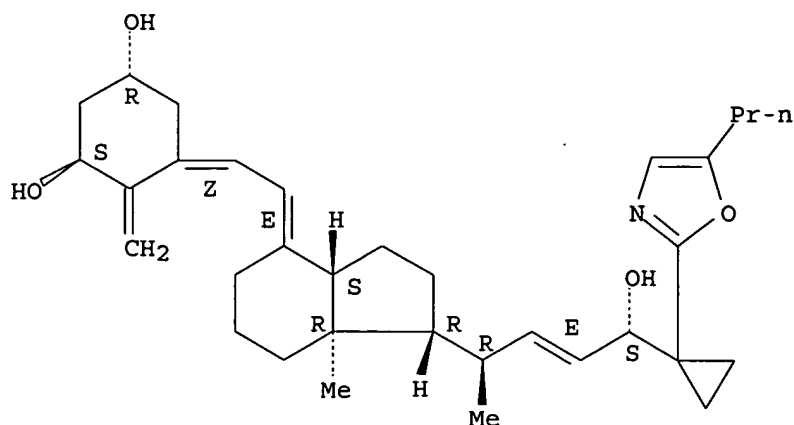
IT 198758-90-6P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

RN 198758-90-6 USPATFULL

CN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



L52 ANSWER 4 OF 4 USPATFULL on STN

AN 2002:92818 USPATFULL

TI NEW VITAMIN D DERIVATIVES WITH CARBO-OR HETEROCYCLIC SUBSTITUENTS AT C-25, A PROCESS FOR THEIR PRODUCTION, INTERMEDIATE PRODUCTS AND THEIR USE FOR PRODUCING MEDICAMENTS

IN **STEINMEYER, ANDREAS**, BERLIN, GERMANY, FEDERAL REPUBLIC OF
KIRSCH, GERALD, BERLIN, GERMANY, FEDERAL REPUBLIC OF
NEFF, GUNTER, BERLIN, GERMANY, FEDERAL REPUBLIC OF
SCHWARZ, KATICA, BERLIN, GERMANY, FEDERAL REPUBLIC OF
THIEROFF-EKERDT, RUTH, BERLIN, GERMANY, FEDERAL REPUBLIC OF
WIESINGER, HERBERT, BERLIN, GERMANY, FEDERAL REPUBLIC OF
HABEREY, MARTIN, BERLIN, GERMANY, FEDERAL REPUBLIC OF
FAHNRIKH, MARIANNE, BERLIN, GERMANY, FEDERAL REPUBLIC OF

PI US 2002049344 A1 20020425

US 6642218 B2 20031104

AI US 1998-180018 A1 19981211 (9)

WO 1997-EP2013 19970421

PRAI DE 1996-19619036 19960430

DT Utility

FS APPLICATION

LREP MILLEN, WHITE, ZELANO & BRANIGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 3651

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns new vitamin D derivatives of general formula (I) a process for their production, their use for production of medicaments, and intermediate products used in the process. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 198758-90-6P 198758-92-8P 198758-94-0P
 198758-96-2P 198759-04-5P 198759-06-7P
 198759-07-8P 198759-08-9P 198759-14-7P
 198759-29-4P 198759-34-1P 198759-39-6P
 198759-48-7P 198759-49-8P 198759-50-1P
 198759-53-4P 198759-57-8P 198759-58-9P
 198759-60-3P 198759-61-4P 198759-70-5P
 198759-71-6P 198759-81-8P 198759-83-0P
 198759-85-2P 198759-87-4P 198759-89-6P

198759-91-0P 198759-96-5P 198759-97-6P
198759-98-7P 198759-99-8P 198760-01-9P
198760-02-0P 198760-03-1P 198760-04-2P
198760-06-4P 198760-10-0P 198760-14-4P
198760-18-8P 198760-20-2P 198760-21-3P
198760-22-4P 198760-23-5P 198760-24-6P
198760-26-8P 198760-27-9P 198760-28-0P
198760-29-1P 198760-30-4P 198760-31-5P
198760-32-6P 198760-33-7P 198760-35-9P
198760-36-0P 198760-37-1P 198760-38-2P
198760-39-3P 198760-40-6P 198760-41-7P
198760-42-8P 198760-43-9P 198760-44-0P
198760-45-1P 198760-47-3P 198760-48-4P
198760-49-5P 198760-50-8P 198760-51-9P
198760-52-0P 198760-53-1P 198760-54-2P
198760-55-3P 198760-56-4P 198760-57-5P
198760-59-7P 198760-61-1P 198760-64-4P
198760-66-6P 198760-67-7P 198760-68-8P
198760-69-9P 198760-70-2P 198760-71-3P
198760-72-4P 198760-73-5P 198760-74-6P
198760-76-8P 198760-78-0P 198760-80-4P
198760-81-5P 198760-83-7P 198760-85-9P
198760-86-0P 198760-88-2P 198760-90-6P
198760-92-8P 198760-94-0P 198760-96-2P
198760-98-4P 198760-99-5P 198761-00-1P
198761-01-2P 198761-02-3P 198761-03-4P
198761-04-5P 198761-05-6P 198761-06-7P
198761-07-8P 198761-08-9P 198761-09-0P
198761-10-3P 198761-11-4P 198761-12-5P
198761-13-6P 198761-14-7P 198761-15-8P
198761-16-9P 198761-17-0P 198761-18-1P
198761-19-2P 198761-20-5P 198761-21-6P
198761-22-7P 198761-23-8P 198761-24-9P
198761-25-0P 198761-26-1P 198761-27-2P
198761-28-3P 198761-29-4P 198761-30-7P
198761-31-8P 198761-32-9P 198761-33-0P
198761-34-1P 198761-35-2P 198761-36-3P
198761-37-4P 198761-39-6P 198761-41-0P
198761-43-2P 198761-45-4P 198761-46-5P
198761-47-6P 198761-48-7P 198761-50-1P
198761-52-3P 198761-54-5P 198761-55-6P
198761-56-7P 198761-57-8P 198761-58-9P
198761-59-0P 198761-60-3P 198761-61-4P
198761-62-5P 198761-63-6P 198761-64-7P
198761-65-8P 198761-66-9P 198761-67-0P
198761-68-1P 198761-69-2P 198761-70-5P
198761-71-6P 198761-72-7P 198761-73-8P
198761-74-9P 198761-75-0P 198761-76-1P
198761-77-2P 198761-78-3P 198761-79-4P
198761-80-7P 198761-81-8P 198761-82-9P
198761-83-0P 198761-84-1P 198761-85-2P
198761-86-3P 198761-87-4P 198761-88-5P
198761-89-6P 198761-90-9P 198761-91-0P
198761-92-1P 198761-93-2P 198761-94-3P
198761-95-4P 198761-96-5P 198761-97-6P
198761-98-7P 198761-99-8P 198762-00-4P
198762-01-5P 198762-02-6P 198762-03-7P
198762-04-8P 198762-05-9P 198762-06-0P
198762-07-1P 198762-08-2P 198762-09-3P
198762-10-6P 198762-11-7P 198762-12-8P

198762-13-9P 198762-14-0P 198762-15-1P
198762-16-2P 198762-18-4P 198762-20-8P
198762-22-0P 198762-24-2P 198762-26-4P
198762-27-5P 198762-29-7P 198762-34-4P
198762-36-6P 198762-39-9P 198762-40-2P
198762-42-4P 198762-44-6P 198762-46-8P
198762-48-0P 198762-50-4P 198762-52-6P
198762-53-7P 198762-55-9P 198762-57-1P
198762-59-3P 198762-61-7P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198762-62-8P 198762-64-0P 198762-66-2P
198762-67-3P 198762-69-5P 198762-71-9P
198762-73-1P 198762-75-3P 198762-76-4P
198762-78-6P 198762-79-7P 198762-80-0P
198762-82-2P 198762-84-4P 198762-86-6P
198762-88-8P 198762-90-2P 198762-93-5P
198762-96-8P 198762-99-1P 198763-03-0P
198763-06-3P 198763-09-6P 198763-10-9P
198763-12-1P 198763-14-3P 198763-16-5P
198763-18-7P 198763-20-1P 198763-22-3P
198763-23-4P 198763-24-5P 198763-25-6P
198763-27-8P 198763-29-0P 198763-31-4P
198763-32-5P 198763-33-6P 198763-35-8P
198763-37-0P 198763-39-2P 198763-41-6P
198763-42-7P 198763-43-8P 198763-44-9P
198763-46-1P 198763-48-3P 198763-50-7P
198763-52-9P 198763-54-1P 198763-56-3P
198763-58-5P 198763-60-9P 198768-25-1P
198768-26-2P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198758-88-2P 198759-02-3P 198759-12-5P
198759-13-6P 198759-27-2P 198759-28-3P
198759-32-9P 198759-33-0P 198759-37-4P
198759-38-5P 198759-47-6P 198759-56-7P
198759-69-2P 198759-80-7P 198759-82-9P
198759-84-1P 198759-86-3P 198759-95-4P
198760-00-8P 198760-05-3P 198760-08-6P
198760-12-2P 198760-16-6P 198760-25-7P
198760-34-8P 198760-46-2P 198760-58-6P
198760-60-0P 198760-63-3P 198760-65-5P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

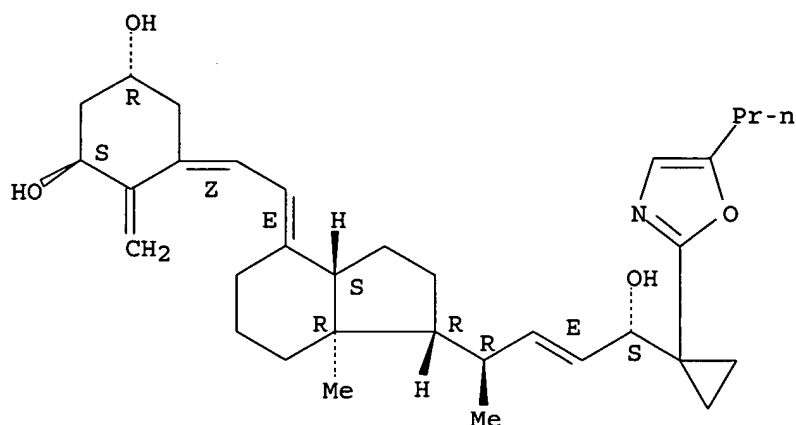
IT 198758-90-6P

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

RN 198758-90-6 USPATFULL

CN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 07:39:56 ON 17 AUG 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 17 Aug 2005 VOL 143 ISS 8

FILE LAST UPDATED: 16 Aug 2005 (20050816/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all fhitr 146

L46 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:740204 HCAPLUS

DN 128:3826

ED Entered STN: 24 Nov 1997

TI Process for the production of new vitamin D derivatives with carbo- or heterocyclic substituents at C-25 and their intermediates

IN Steinmeyer, Andreas; Kirsch, Gerald; Neef, Guenter; Schwarz, Katica; Thieroff-Ekerdt, Ruth; Wiesinger, Herbert; Haberey, Martin; Fahrnich, Marianne

PA Schering Aktiengesellschaft, Germany

SO PCT Int. Appl., 133 pp.

CODEN: PIXXD2

DT Patent
 LA German
 IC ICM C07C401-00
 ICS A61K031-59
 CC 32-7 (Steroids)
 Section cross-reference(s): 1, 2

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9741096	A1	19971106	WO 1997-EP2013	19970421 <--
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	DE 19619036	A1	19971113	DE 1996-19619036	19960430 <--
	CA 2253288	AA	19971106	CA 1997-2253288	19970421 <--
	AU 9727666	A1	19971119	AU 1997-27666	19970421 <--
	AU 730394	B2	20010308		
	EP 900198	A1	19990310	EP 1997-921683	19970421 <--
	EP 900198	B1	20030312		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI				
	CN 1216978	A	19990519	CN 1997-194216	19970421 <--
	NZ 332488	A	20000327	NZ 1997-332488	19970421 <--
	JP 2000510826	T2	20000822	JP 1997-538533	19970421 <--
	SK 283041	B6	20030204	SK 1998-1464	19970421 <--
	AT 234280	E	20030315	AT 1997-921683	19970421 <--
	PT 900198	T	20030630	PT 1997-921683	19970421 <--
	ES 2192680	T3	20031016	ES 1997-921683	19970421 <--
	RU 2223954	C2	20040220	RU 1998-121426	19970421 <--
	PL 187766	B1	20041029	PL 1997-329597	19970421 <--
	ZA 9703757	A	19980820	ZA 1997-3757	19970430 <--
	TW 568902	B	20040101	TW 1997-86105733	19970430 <--
	NO 9805038	A	19981223	NO 1998-5038	19981029 <--
	US 2002049344	A1	20020425	US 1998-180018	19981211 <--
	US 6642218	B2	20031104		
	HK 1020042	A1	20050520	HK 1999-105222	19991112 <--
	US 6600058	B1	20030729	US 2000-695137	20001025 <--
	US 6613920	B1	20030902	US 2000-695091	20001025 <--
	AU 765916	B2	20031002	AU 2001-46051	20010518
	US 2005080058	A1	20050414	US 2003-658326	20030910 <--
PRAI	DE 1996-19619036	A	19960430	<--	
	AU 1997-27666	A3	19970421		
	WO 1997-EP2013	W	19970421	<--	
	US 1998-180018	A3	19981211	<--	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9741096	ICM	C07C401-00
	ICS	A61K031-59
WO 9741096	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16 <--
DE 19619036	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16 <--

US 2002049344	NCL	552/653.000	
	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16	<--
HK 1020042	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16	<--
US 6600058	NCL	552/653.000; 548/237.000; 548/239.000	
	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16	<--
US 6613920	NCL	552/653.000; 548/237.000; 548/239.000	
	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16	<--
US 2005080058	NCL	514/167.000	
	ECLA	C07C035/32; C07C401/00; C07D207/32C3; C07D233/54C2D2; C07D263/32; C07D271/06B; C07D271/10B; C07D277/24; C07D307/42E; C07D333/16	<--
OS	CASREACT 128:3826; MARPAT 128:3826		
GI			

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention concerns a process for the production of new vitamin D derivs. I
[Y1 = H, OH, alkanoyloxy, aroyloxy; Y2 = H, alkanoyl, aroyl; R1, R2 = H;
R1R2 = CH2; R3, R4 = H, Cl, F, alkyl; R3R4 = CH2; R3(C-20)R4 = carbocyclic
ring; Q = alkyl chain containing an α - or β -OH, ether, ester, amino
group, keto group or halogen; R5, R6 = H, Cl, F, CF3, (un)saturated alkyl;
R5(C-25)R6 = (un)saturated carbocyclic ring; Z = (un)substituted,
(un)saturated or
aromatic 5-, 6-membered carbo-, heterocyclic ring], the intermediates used in
the process, and the production of medicaments. Thus, vitamin D analog II was
prepared via condensation of aldehyde III with IV, followed by deprotection.
II had competition factor of 2 vs. calcitriol towards receptor binding and
dose relation for differentiation induction in HL 60 cells of 1.9 vs.
calcitriol.

ST vitamin D carbocyclic heterocyclic analog prepn

IT Antitumor agents
(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT Steroids, preparation
Vitamins
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT Vitamin D receptors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
(Biological study); PROC (Process)
(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT 7440-70-2, Calcium, biological studies
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
(hypercalcemia; induction; preparation of new vitamin D derivs. with carbo-
or heterocyclic substituents at C-25)

IT 50-14-6DP, Ergocalciferol, analogs 67-97-0DP, Cholecalciferol, analogs
19356-17-3DP, 25-Hydroxycholecalciferol, analogs 32222-06-3P, Calcitriol
41294-56-8DP, 1 α -Hydroxycholecalciferol, analogs
198758-90-6P 198758-92-8P 198758-94-0P
198758-96-2P 198759-04-5P 198759-06-7P
198759-07-8P 198759-08-9P 198759-14-7P
198759-29-4P 198759-34-1P 198759-39-6P
198759-48-7P 198759-49-8P 198759-50-1P
198759-53-4P 198759-57-8P 198759-58-9P
198759-60-3P 198759-61-4P 198759-70-5P
198759-71-6P 198759-81-8P 198759-83-0P
198759-85-2P 198759-87-4P 198759-89-6P
198759-91-0P 198759-96-5P 198759-97-6P
198759-98-7P 198759-99-8P 198760-01-9P
198760-02-0P 198760-03-1P 198760-04-2P
198760-06-4P 198760-09-7P 198760-10-0P 198760-13-3P
198760-14-4P 198760-17-7P 198760-18-8P
198760-20-2P 198760-21-3P 198760-22-4P
198760-23-5P 198760-24-6P 198760-26-8P
198760-27-9P 198760-28-0P 198760-29-1P
198760-30-4P 198760-31-5P 198760-32-6P
198760-33-7P 198760-35-9P 198760-36-0P
198760-37-1P 198760-38-2P 198760-39-3P
198760-40-6P 198760-41-7P 198760-42-8P
198760-43-9P 198760-44-0P 198760-45-1P
198760-47-3P 198760-48-4P 198760-49-5P
198760-50-8P 198760-51-9P 198760-52-0P
198760-53-1P 198760-54-2P 198760-55-3P
198760-56-4P 198760-57-5P 198760-59-7P
198760-61-1P 198760-64-4P 198760-66-6P
198760-67-7P 198760-68-8P 198760-69-9P
198760-70-2P 198760-71-3P 198760-72-4P
198760-73-5P 198760-74-6P 198760-76-8P
198760-78-0P 198760-80-4P 198760-81-5P
198760-83-7P 198760-85-9P 198760-86-0P
198760-88-2P 198760-90-6P 198760-92-8P
198760-94-0P 198760-96-2P 198760-98-4P
198760-99-5P 198761-00-1P 198761-01-2P
198761-02-3P 198761-03-4P 198761-04-5P
198761-05-6P 198761-06-7P 198761-07-8P
198761-08-9P 198761-09-0P 198761-10-3P
198761-11-4P 198761-12-5P 198761-13-6P
198761-14-7P 198761-15-8P 198761-16-9P
198761-17-0P 198761-18-1P 198761-19-2P
198761-20-5P 198761-21-6P 198761-22-7P
198761-23-8P 198761-24-9P 198761-25-0P
198761-26-1P 198761-27-2P 198761-28-3P
198761-29-4P 198761-30-7P 198761-31-8P
198761-32-9P 198761-33-0P 198761-34-1P
198761-35-2P 198761-36-3P 198761-37-4P
198761-39-6P 198761-41-0P 198761-43-2P
198761-45-4P 198761-46-5P 198761-47-6P
198761-48-7P 198761-50-1P 198761-52-3P
198761-54-5P 198761-55-6P 198761-56-7P
198761-57-8P 198761-58-9P 198761-59-0P
198761-60-3P 198761-61-4P 198761-62-5P
198761-63-6P 198761-64-7P 198761-65-8P
198761-66-9P 198761-67-0P 198761-68-1P
198761-69-2P 198761-70-5P 198761-71-6P
198761-72-7P 198761-73-8P 198761-74-9P

198761-75-0P 198761-76-1P 198761-77-2P
 198761-78-3P 198761-79-4P 198761-80-7P
 198761-81-8P 198761-82-9P 198761-83-0P
 198761-84-1P 198761-85-2P 198761-86-3P
 198761-87-4P 198761-88-5P 198761-89-6P
 198761-90-9P 198761-91-0P 198761-92-1P
 198761-93-2P 198761-94-3P 198761-95-4P
 198761-96-5P 198761-97-6P 198761-98-7P
 198761-99-8P 198762-00-4P 198762-01-5P
 198762-02-6P 198762-03-7P 198762-04-8P
 198762-05-9P 198762-06-0P 198762-07-1P
 198762-08-2P 198762-09-3P 198762-10-6P
 198762-11-7P 198762-12-8P 198762-13-9P
 198762-14-0P 198762-15-1P 198762-16-2P
 198762-18-4P 198762-20-8P 198762-22-0P
 198762-24-2P 198762-26-4P 198762-27-5P
 198762-29-7P 198762-34-4P 198762-36-6P
 198762-39-9P 198762-40-2P 198762-42-4P
 198762-44-6P 198762-46-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198762-48-0P 198762-50-4P 198762-52-6P
 198762-53-7P 198762-55-9P 198762-57-1P
 198762-59-3P 198762-61-7P 198762-62-8P
 198762-64-0P 198762-66-2P 198762-67-3P
 198762-69-5P 198762-71-9P 198762-73-1P
 198762-75-3P 198762-76-4P 198762-78-6P
 198762-79-7P 198762-80-0P 198762-82-2P
 198762-84-4P 198762-86-6P 198762-88-8P
 198762-90-2P 198762-93-5P 198762-96-8P
 198762-99-1P 198763-03-0P 198763-06-3P
 198763-09-6P 198763-10-9P 198763-12-1P
 198763-14-3P 198763-16-5P 198763-18-7P
 198763-20-1P 198763-22-3P 198763-23-4P
 198763-24-5P 198763-25-6P 198763-27-8P
 198763-29-0P 198763-31-4P 198763-32-5P
 198763-33-6P 198763-35-8P 198763-37-0P
 198763-39-2P 198763-41-6P 198763-42-7P
 198763-43-8P 198763-44-9P 198763-46-1P
 198763-48-3P 198763-50-7P 198763-52-9P
 198763-54-1P 198763-56-3P 198763-58-5P
 198763-60-9P 198768-25-1P 198768-26-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 78-95-5, Chloroacetone 96-20-8, 2-Amino-1-butanol 104-09-6,
 (4-Methylphenyl)acetaldehyde 104-87-0, 4-Methylbenzaldehyde 122-03-2,
 4-Isopropylbenzaldehyde 124-68-5, 2-Amino-2-methyl-1-propanol
 816-40-0, 1-Bromo-2-butanone 817-71-0, 1-Bromo-2-pentanone 1200-14-2,
 4-Butylbenzaldehyde 2637-34-5, 2-Mercaptopyridine 4009-98-7,
 (Methoxymethyl)triphenylphosphonium chloride 5856-63-3,
 (-)-2-Amino-1-butanol 6120-95-2, 1-Phenylcyclopropanecarboxylic acid
 6168-72-5, DL-2-Amino-1-propanol 7737-17-9, 1-Amino-2-propanone
 hydrochloride 16369-14-5, 2-Amino-1-pentanol 21419-28-3,
 1-Amino-2-hexanone hydrochloride 26818-07-5, 1-Bromo-2-hexanone

29335-36-2, Propionylamidoxime 41172-98-9, 1-Amino-2-pentanone
hydrochloride 56613-80-0, D-(-)- α -Phenylglycinol 57390-38-2,
2-Aminopropionaldehyde dimethyl acetal 67015-06-9, Valerylamidoxime
89007-04-5, 1-Amino-2-heptanone hydrochloride 89544-84-3,
1-Bromocyclopropanecarboxylic acid 91083-05-5, [3-(1,3-Dioxolan-2-
yl)propyl]magnesium bromide 108661-54-7, 1-Amino-2-butanone
hydrochloride 112828-13-4 115648-67-4 156965-17-2

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of new vitamin D derivs. with carbo- or heterocyclic
substituents at C-25)

IT 1007-71-2P, 1-Acetyl-1-phenylcyclopropane 1901-26-4P,
3-(4-Methylphenyl)-3-buten-2-one 4395-92-0P, (4-
Isopropylphenyl)acetaldehyde 56998-27-7P 57132-22-6P,
3-(4-Methylphenyl)-3-buten-2-ol 64835-61-6P, β -Methoxy-4-
butylstyrene 69520-23-6P, β -Methoxy-4-isopropylstyrene
69690-25-1P, β -Methoxy-4-methylstyrene 96999-02-9P,
2-Bromocyclopropanecarbonyl chloride 105652-63-9P, α -(4-
Methylphenyl)acrolein 112924-91-1P 134404-41-4P 134523-96-9P
156965-12-7P 163208-19-3P 198758-82-6P 198758-83-7P 198758-84-8P,
2-(1-Bromocyclopropyl)-5-propyloxazole 198758-85-9P,
2-(1-Bromocyclopropyl)-5-methyloxazole 198758-86-0P,
2-(1-Bromocyclopropyl)-5-ethyloxazole 198758-87-1P, 2-(1-
Bromocyclopropyl)-5-pentyloxazole 198758-88-2P 198758-97-3P,
1-Bromocyclopropanecarboxamide 198758-98-4P, 2-(1-Bromocyclopropyl)-5-
ethylthiazole 198758-99-5P, 2-(1-Bromocyclopropyl)-5-methylthiazole
198759-00-1P, 2-(1-Bromocyclopropyl)-5-propylthiazole 198759-01-2P,
2-(1-Bromocyclopropyl)-5-butylthiazole 198759-02-3P
198759-09-0P, N,N-Dimethyl-1-phenylcyclopropanecarboxamide 198759-10-3P
198759-11-4P 198759-12-5P 198759-13-6P 198759-15-8P,
1-Acetyl-1-(4-methylphenyl)cyclopropane 198759-16-9P,
 α -(4-Isopropylphenyl)acrolein 198759-17-0P, 3-(4-Isopropylphenyl)-
3-buten-2-ol 198759-18-1P, 3-(4-Isopropylphenyl)-3-buten-2-one
198759-19-2P, 1-Acetyl-1-(4-isopropylphenyl)cyclopropane 198759-20-5P,
(4-Butylphenyl)acetaldehyde 198759-21-6P, α -(4-
Butylphenyl)acrolein 198759-22-7P, 3-(4-Butylphenyl)-3-buten-2-ol
198759-23-8P, 3-(4-Butylphenyl)-3-buten-2-one 198759-24-9P,
1-Acetyl-1-(4-butylphenyl)cyclopropane 198759-25-0P 198759-26-1P
198759-27-2P 198759-28-3P 198759-30-7P 198759-31-8P
198759-32-9P 198759-33-0P 198759-35-2P 198759-36-3P
198759-37-4P 198759-38-5P 198759-40-9P 198759-41-0P
198759-42-1P, 2-(1-Bromocyclopropyl)-4-methyloxazole 198759-43-2P
198759-44-3P 198759-45-4P, 2-(1-Bromocyclopropyl)-4-ethyloxazole
198759-46-5P, 2-(1-Bromocyclopropyl)-4-propyloxazole 198759-47-6P
198759-51-2P 198759-52-3P, 2-(1-Bromocyclopropyl)-5-butyloxazole
198759-54-5P, 2-(1-Bromocyclopropyl)-5-butylthiazole 198759-55-6P,
2-(1-Bromocyclopropyl)-5-ethylthiazole 198759-56-7P
198759-59-0P 198759-62-5P, S-(2-Pyridyl)-1-bromocyclopropanethiocarboxyl
ate 198759-64-7P 198759-65-8P, 1-Bromo-1-(2-pyridyl)cyclopropane
198759-67-0P 198759-68-1P, 1-Bromo-1-(6-methyl-2-pyridyl)cyclopropane
198759-69-2P 198759-72-7P 198759-73-8P 198759-74-9P
198759-75-0P 198759-76-1P 198759-77-2P 198759-78-3P 198759-79-4P
198759-80-7P 198759-82-9P 198759-84-1P
198759-86-3P 198759-88-5P 198759-90-9P 198759-92-1P,
1-Bromo-N-(2-oxopropyl)cyclopropanecarboxamide 198759-93-2P,
1-Bromo-N-(2-oxobutyl)cyclopropanecarboxamide 198759-94-3P,
1-Bromo-N-(2-oxoheptyl)cyclopropanecarboxamide 198759-95-4P
198760-00-8P 198760-05-3P 198760-07-5P
198760-08-6P 198760-11-1P 198760-12-2P 198760-15-5P
198760-16-6P 198760-25-7P 198760-34-8P
198760-46-2P 198760-58-6P 198760-60-0P

198760-63-3P 198760-65-5P 198903-74-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

IT 198758-90-6P

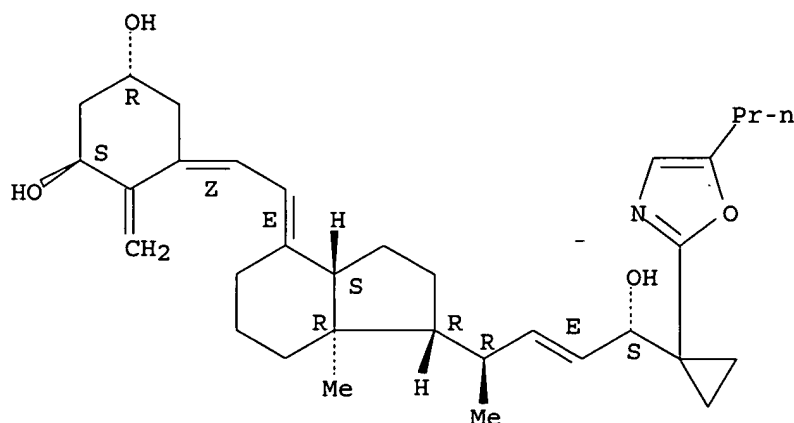
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of new vitamin D derivs. with carbo- or heterocyclic substituents at C-25)

RN 198758-90-6 HCAPLUS

CN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



=> fil reg

FILE 'REGISTRY' ENTERED AT 07:40:42 ON 17 AUG 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

DICTIONARY FILE UPDATES: 16 AUG 2005 HIGHEST RN 860495-66-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

* *

* The CA roles and document type information have been removed from *

* the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 * *

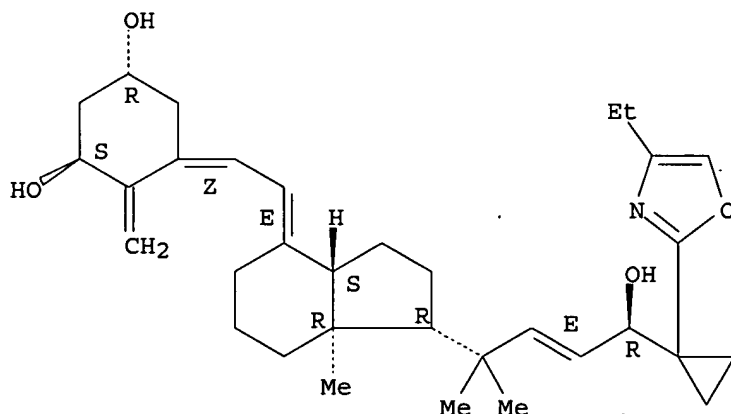
Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> => d scan 141

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-ethyl-2-oxazolyl)cyclopropyl]-20-methyl-, (1 α ,3 β ,5Z,7E,22E,24R)-(9CI)
 MF C33 H47 N O4

Absolute stereochemistry.
 Double bond geometry as shown.

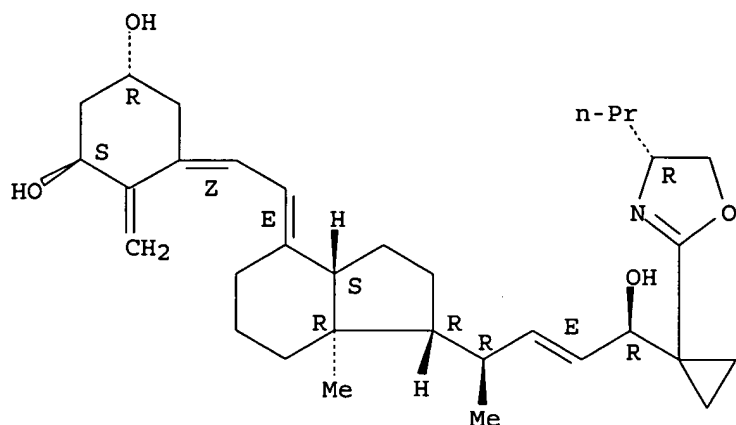


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):25

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-[(4R)-4,5-dihydro-4-propyl-2-oxazolyl]cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R)-(9CI)
 MF C33 H49 N O4

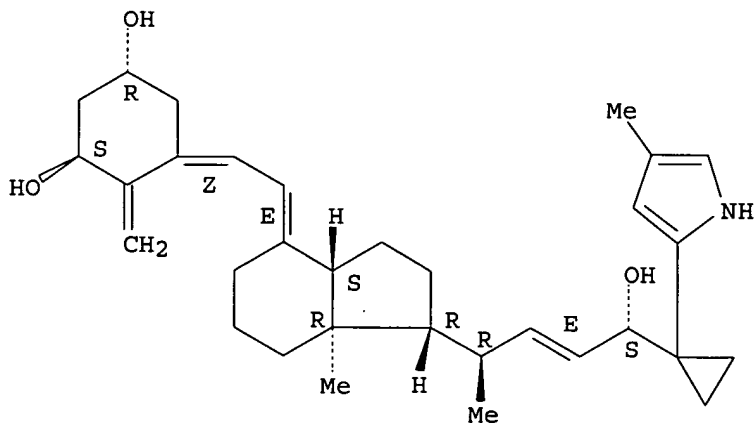
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-methyl-1H-pyrrol-2-yl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S) - (9CI)
 MF C32 H45 N O3

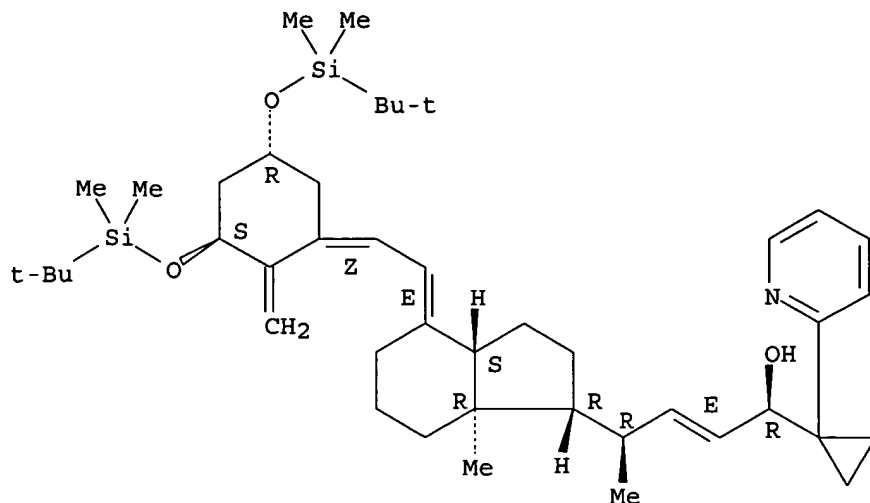
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraen-24-ol, 1,3-bis[[(1,1-dimethylethyl)dimethylsilyl]oxy]-24-[1-(2-pyridinyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C44 H71 N O3 Si2

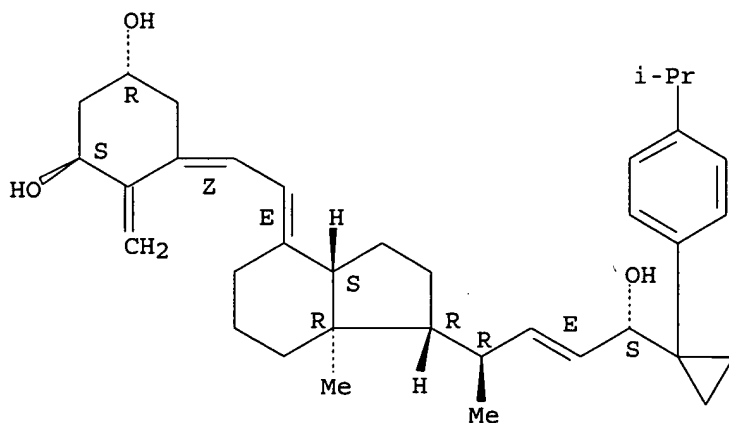
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-[4-(1-methylethyl)phenyl]cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI)
 MF C36 H50 O3

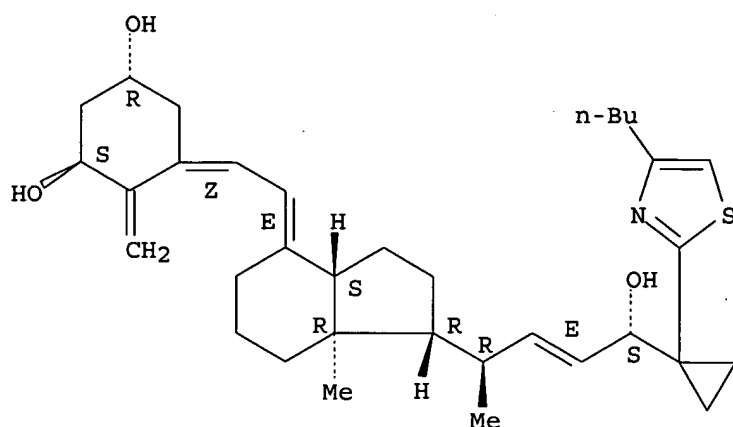
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-butyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI)
 MF C34 H49 N O3 S

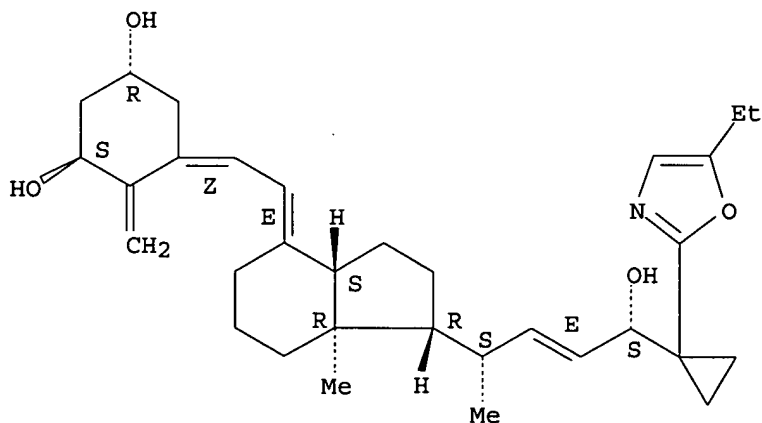
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-ethyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,20S,22E,24S) - (9CI)
 MF C32 H45 N O4

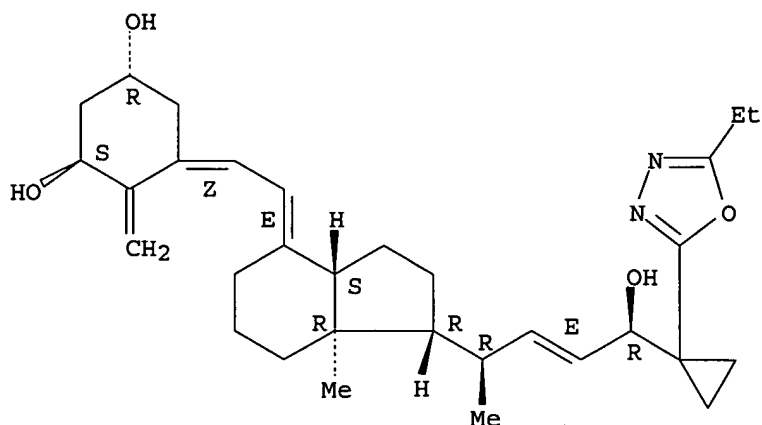
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-ethyl-1,3,4-oxadiazol-2-yl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C31 H44 N2 O4

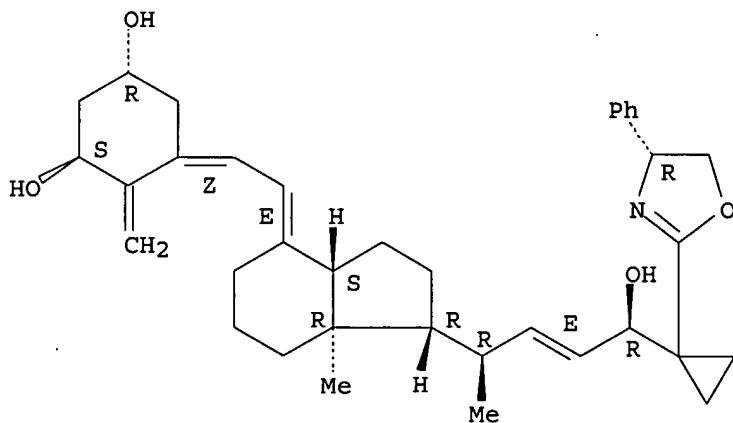
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-[(4R)-4,5-dihydro-4-phenyl-2-oxazoly]cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R)- (9CI)
 MF C36 H47 N O4

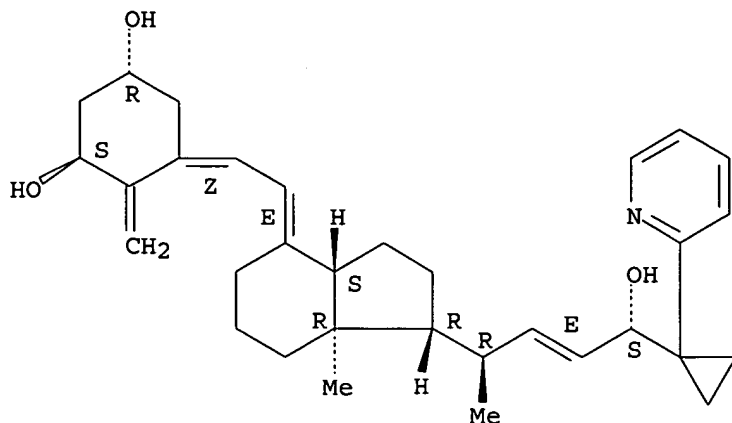
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(2-pyridinyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI)
 MF C32 H43 N O3

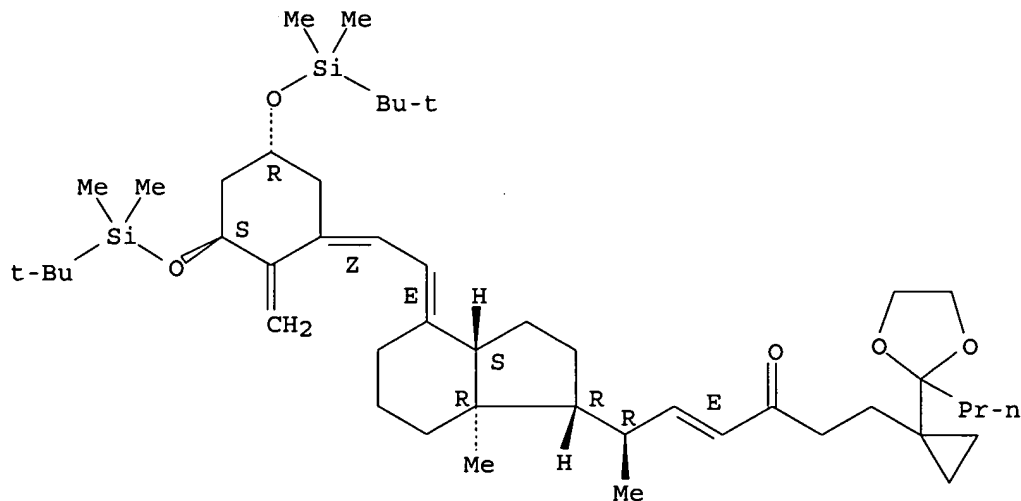
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 27-Nor-9,10-secocholesta-5,7,10(19),22-tetraen-24-one,
 1,3-bis[[1,1-dimethylethyl]dimethylsilyl]oxy]-26-[1-(2-propyl-1,3-
 dioxolan-2-yl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E) - (9CI)
 MF C47 H80 O5 Si2

Absolute stereochemistry.
 Double bond geometry as shown.

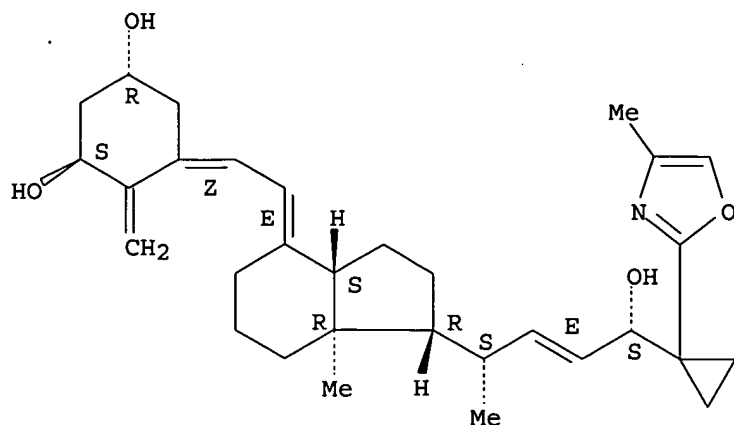


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-methyl-2-
 oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,20S,22E,24S) - (9CI)
 MF C31 H43 N O4

Absolute stereochemistry.

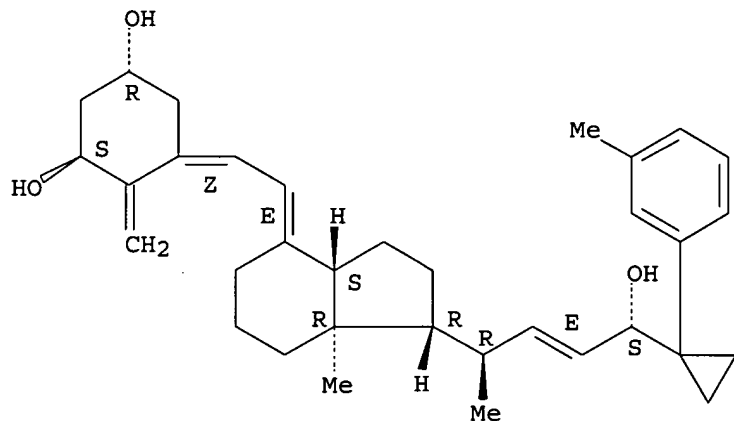
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochole-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(3-methylphenyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)-(9CI)
 MF C34 H46 O3

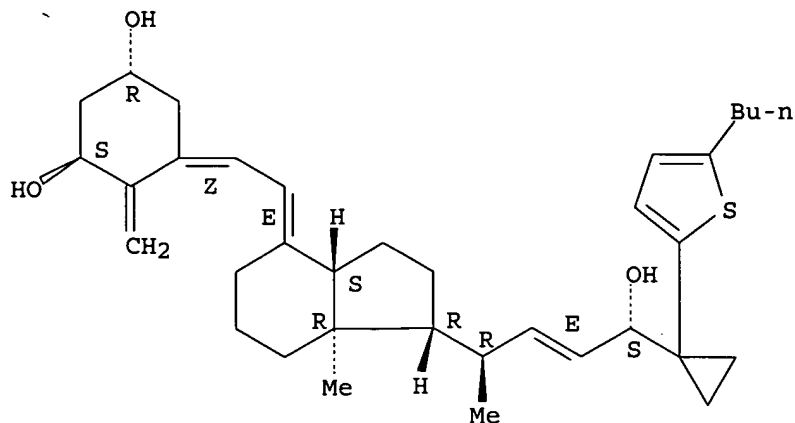
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochole-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-butyl-2-thienyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)-(9CI)
 MF C35 H50 O3 S

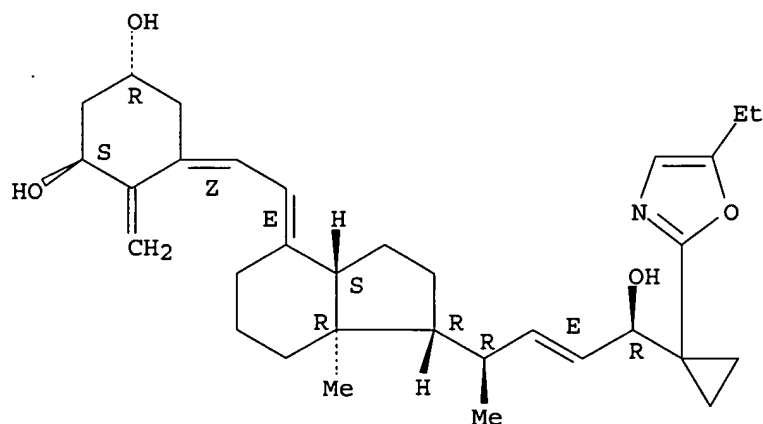
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-ethyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C32 H45 N O4

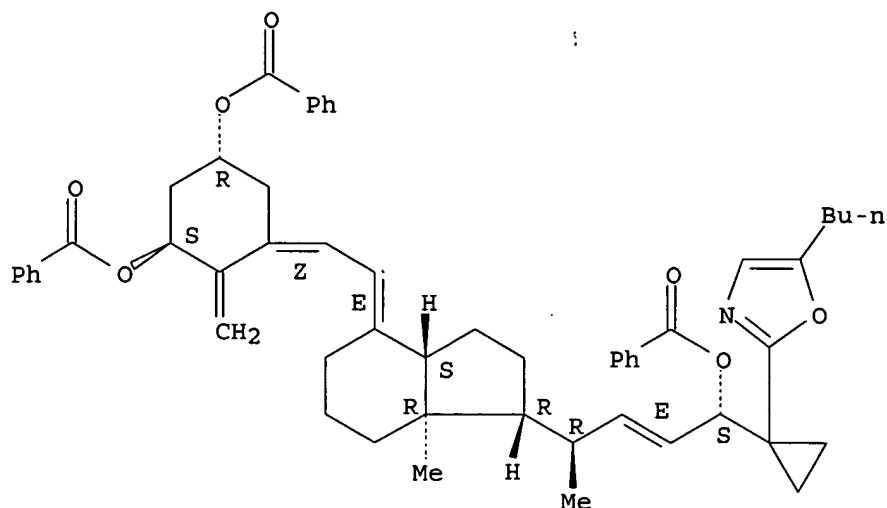
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-butyl-2-oxazolyl)cyclopropyl]-, tribenzoate (ester), (1 α ,3 β ,5Z,7E,22E,24S) - (9CI)
 MF C55 H61 N O7

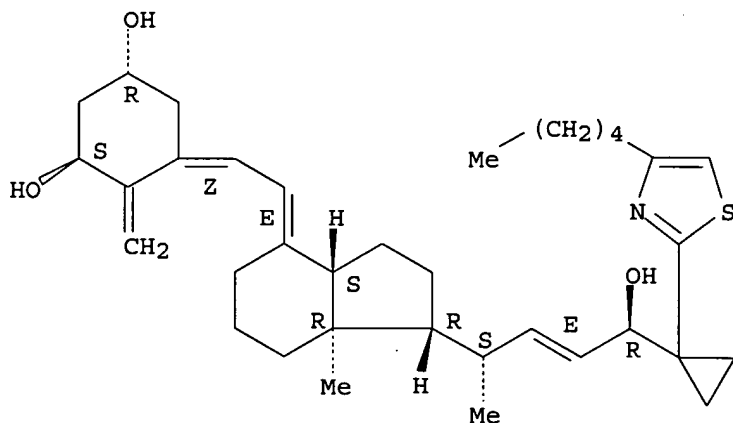
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-pentyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,20S,22E,24R)-(9CI)
 MF C35 H51 N O3 S

Absolute stereochemistry.
 Double bond geometry as shown.

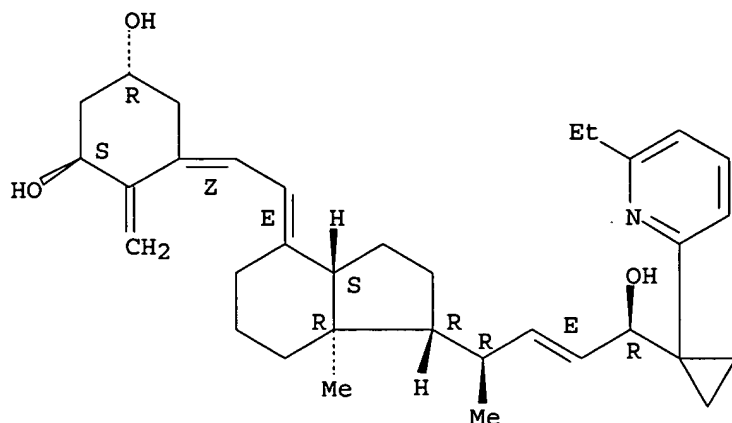


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(6-ethyl-2-pyridinyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R)-(9CI)
 MF C34 H47 N O3 S

Absolute stereochemistry.

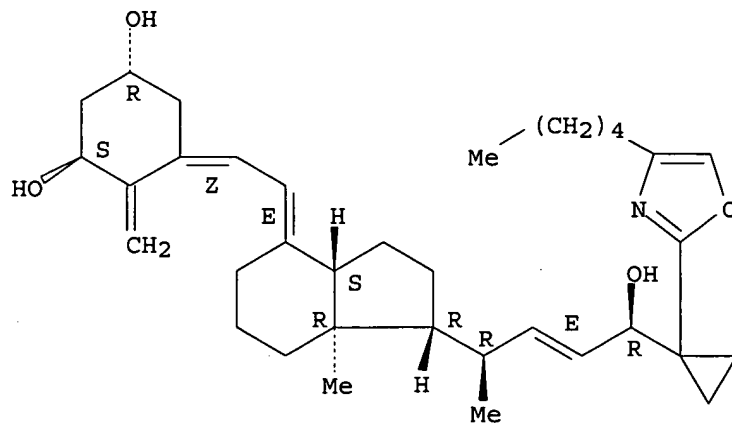
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochole-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-pentyl-2-oxazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C35 H51 N O4

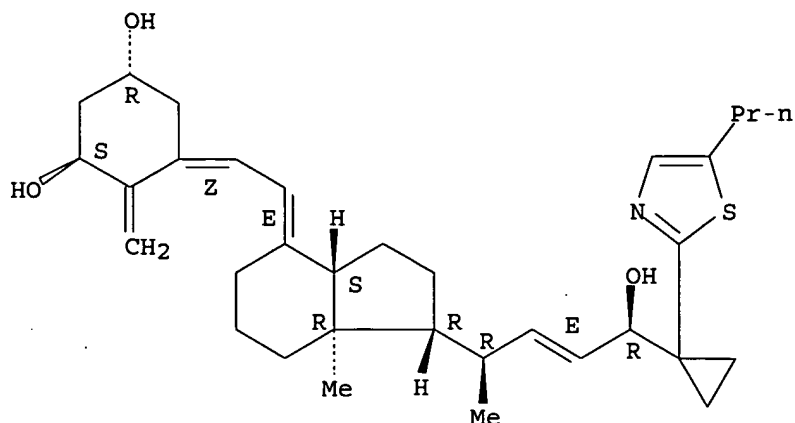
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochole-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-propyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C33 H47 N O3 S

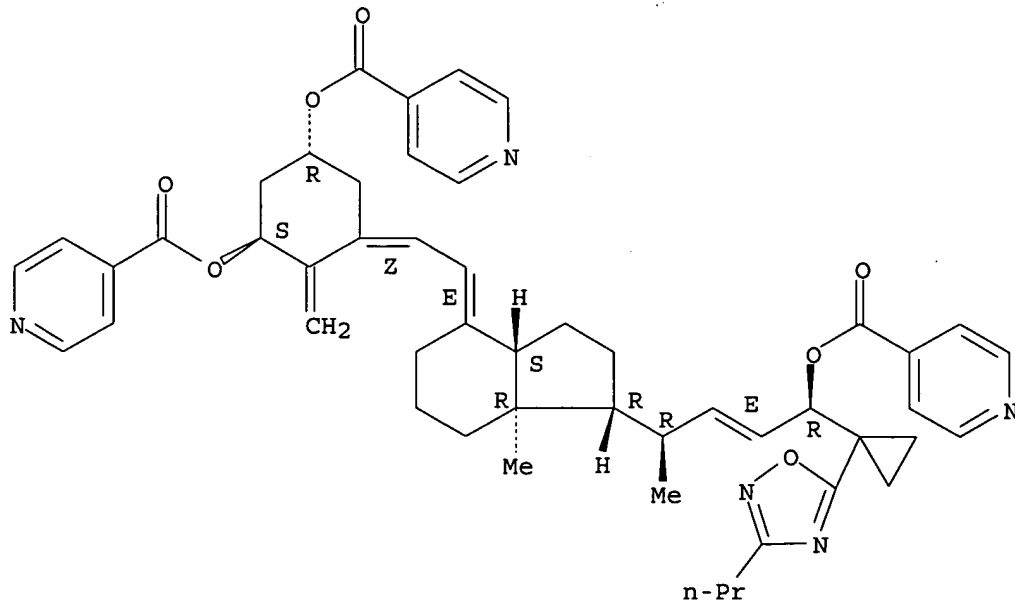
Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(3-propyl-1,2,4-oxadiazol-5-yl)cyclopropyl]-, tri-4-pyridinecarboxylate (ester),
 (1 α ,3 β ,5Z,7E,22E,24R) - (9CI)
 MF C50 H55 N5 O7

Absolute stereochemistry.
 Double bond geometry as shown.

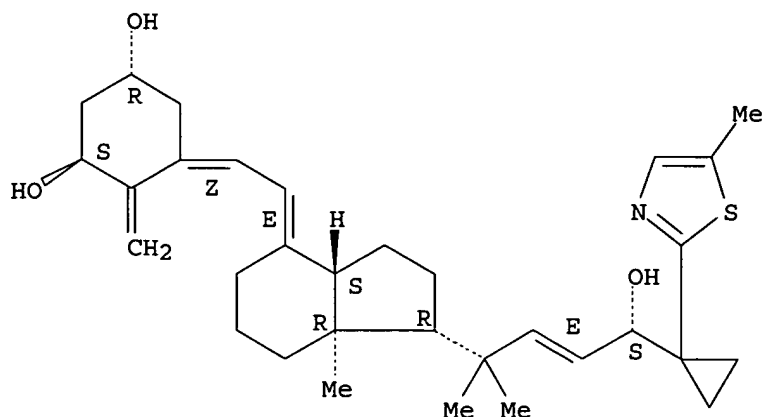


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 20-methyl-24-[1-(5-methyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S) - (9CI)

MF C32 H45 N O3 S

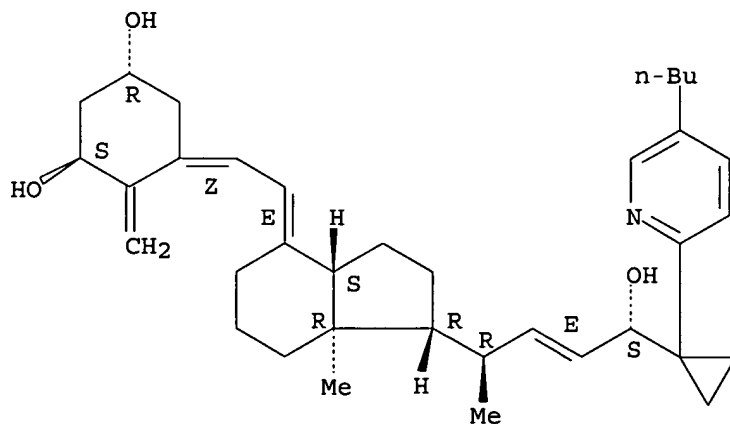
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-butyl-2-pyridinyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI)
MF C36 H51 N O3

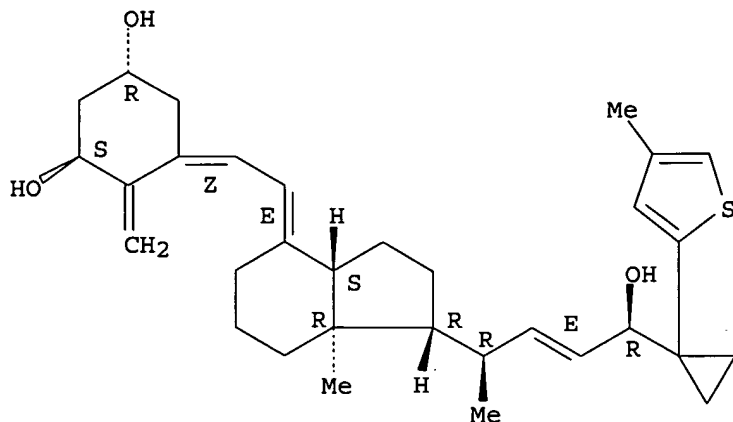
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-methyl-2-thienyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R)- (9CI)
MF C32 H44 O3 S

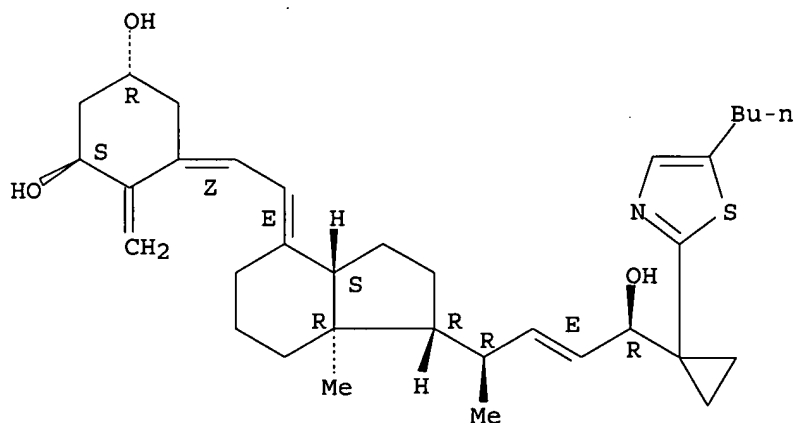
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(5-butyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24R)- (9CI)
MF C34 H49 N O3 S

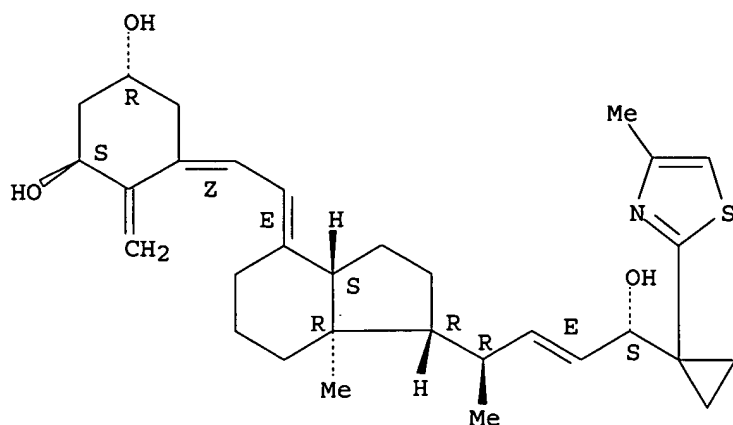
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 370 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 9,10-Secochola-5,7,10(19),22-tetraene-1,3,24-triol, 24-[1-(4-methyl-2-thiazolyl)cyclopropyl]-, (1 α ,3 β ,5Z,7E,22E,24S)- (9CI)
MF C31 H43 N O3 S

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d his

(FILE 'HOME' ENTERED AT 06:22:53 ON 17 AUG 2005)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 06:23:03 ON 17 AUG 2005

L1 1 S (US20050080058 OR US6600058 OR US6613920 OR US6642218 OR US20
E STEINMEYER A/AU
L2 50 S E3,E4
E KIRSCH G/AU
L3 152 S E3-E5,E11
E NEEF G/AU
L4 186 S E3,E5-E7
E SCHWARZ K/AU
L5 443 S E3-E14,E42,E43
E THIEROFF E/AU
L6 27 S E4-E7
E ECKERDT/AU
E EKERDT/AU
L7 6 S E9
E WIESINGER H/AU
L8 64 S E3-E6,E10
E HABEREY M/AU
L9 54 S E3,E4
E FAHNRICH M/AU
L10 7 S E3,E4
E FAEHNRICH M/AU
L11 7 S E3,E4
L12 13977 S SCHERING?/PA,CS
SEL RN L1

FILE 'REGISTRY' ENTERED AT 06:27:16 ON 17 AUG 2005

L13 436 S E1-E436
ACT QAZI962/A

L14 STR

L15 8455 SEA FILE=REGISTRY SSS FUL L14

L16 STR L14
L17 8760 S L16 FUL
SAV L17 QAZI658/A
L18 STR L16
L19 50 S L18 SAM SUB=L17
L20 2256 S L18 FUL SUB=L17
SAV L20 QAZI648A/A
DEL QAZI648A/A
SAV L20 QAZI658A/A
L21 STR L18
L22 8 S L21 SAM SUB=L20
L23 370 S L21 FUL SUB=L20
SAV L23 QAZI658B/A
L24 STR L21
L25 8 S L24 SAM SUB=L20
L26 370 S L24 FUL SUB=L20
SAV L26 QAZI658C/A
L27 328 S L13 AND L20
L28 10 S L27 NOT L26
L29 2 S L28 AND C3/ES
L30 372 S L23,L26,L29
SAV L30 QAZI659D/A

FILE 'HCAOLD' ENTERED AT 07:24:16 ON 17 AUG 2005
L31 0 S L30

FILE 'HCAPLUS' ENTERED AT 07:24:20 ON 17 AUG 2005
L32 9 S L30
L33 7 S L32 AND L1-L12
L34 3 S L32 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L35 3 S L33 AND L34

FILE 'USPATFULL' ENTERED AT 07:25:47 ON 17 AUG 2005
L36 8 S L30
L37 5 S L36 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L38 5 S L36 AND SCHERING?/PA
L39 7 S L36 AND (STEINMEYER ? OR KIRSCH ? OR NEEF ? OR SCHWARZ ? OR T
L40 5 S L37 AND L38,L39

FILE 'REGISTRY' ENTERED AT 07:33:06 ON 17 AUG 2005

FILE 'HCAPLUS' ENTERED AT 07:33:23 ON 17 AUG 2005

FILE 'USPATFULL' ENTERED AT 07:33:54 ON 17 AUG 2005

FILE 'REGISTRY' ENTERED AT 07:34:13 ON 17 AUG 2005
L41 370 S L30 AND NR>=5
L42 2 S L30 NOT L41

FILE 'HCAPLUS' ENTERED AT 07:36:14 ON 17 AUG 2005
L43 7 S L41
L44 5 S L1-L12 AND L43
L45 1 S L43 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L46 1 S L44 AND L45
L47 6 S L43 NOT L46

FILE 'USPATFULL' ENTERED AT 07:37:55 ON 17 AUG 2005
L48 7 S L41

L49 4 S L48 AND (PY<=1996 OR PRY<=1996 OR AY<=1996)
L50 3 S L49 AND SCHERING?/PA
L51 4 S L49 AND (STEINMEYER ? OR KIRSCH ? OR NEEF ? OR SCHWARZ ? OR T
L52 4 S L49-L51

FILE 'REGISTRY' ENTERED AT 07:39:24 ON 17 AUG 2005

FILE 'USPATFULL' ENTERED AT 07:39:42 ON 17 AUG 2005

FILE 'HCAPLUS' ENTERED AT 07:39:56 ON 17 AUG 2005

FILE 'REGISTRY' ENTERED AT 07:40:42 ON 17 AUG 2005

=>